This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A method for treating breast disease in a patient in need thereof, which method comprises administering to the patient an effective amount of a chemokine, which chemokine has about 105 to about 127 amino acids, has a ~~deduced~~ molecular weight of from about 12 to about 14 kD, has ~~a deduced~~ an isoionic point of from about pH 10.1 to about pH 10.7, and comprises at least one amino acid sequence selected from the group consisting of SEQ ID NO:3, SEQ ID NO:4, and SEQ ID NO:5; wherein the breast disease is selected from the group consisting of benign cystitis, benign hyperplasia, cancer and malignancies.

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Claim 2 (Currently Amended): ~~The method according to claim 1, wherein the chemokine~~ A method for treating breast disease in a patient in need thereof, which method comprises administering to the patient an effective amount of a chemokine, which chemokine has about 105 to about 127 amino acids, has a molecular weight of from about 12 to about 14 kD, has an isoionic point of from about pH 10.1 to about pH 10.7, and has ~~an~~ the amino acid sequences set forth in ~~comprising each of~~ SEQ ID NOS:3, ~~SEQ ID NO:~~ 4, and ~~SEQ ID NO:~~ 5; wherein the breast disease is selected from the group consisting of benign cystitis, benign hyperplasia, cancer and malignancies.

Claim 3 (Original): The method according to claim 2, wherein the chemokine has an amino acid sequence as depicted in SEQ ID NO:1.

Claim 4 (Original): The method according to claim 1, wherein the peptide is administered orally, parenterally, subcutaneously, intravenously, intramuscularly, intraperitoneally, intraocularly, intraarterially, by intranasal instillation, by intracavitary instillation, by intravesical instillation, or by application to mucous membranes.

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Claims 5-8 (Cancelled)

Claim 9 (Currently Amended): A method for treating breast disease in a patient in need thereof, which method comprises administering ~~the~~ a dosage unit form comprising a chemokine, which chemokine has about 105 to about 127 amino acids, has a molecular weight of from about 12 to about 14 kD, has an isoionic point of from about pH 10.1 to about pH 10.7, and comprises at least one amino acid sequence selected from the group consisting of SEQ ID NO:3, SEQ ID NO:4, and SEQ ID NO:5, and is present in an amount effective to treat breast disease, ~~according to claim 8~~ and at least one component selected from the group consisting of carriers, excipients, diluents, binders, disintegrating agents, lubricants, adjuvants, surfactants, propellants, and stabilizers.

Claims 10-21 (Cancelled)

Claim 22 (Currently Amended): A method for vaccinating against a breast disease in a patient in need thereof, which method comprises administering to the patient an effective amount of an antigenic portion of a chemokine with an effective amount of an adjuvant, wherein the chemokine has about 105 to about 127 amino acids, has a ~~deduced~~ molecular weight of from about 12 to about 14 kD, has ~~a deduced~~ an isoionic point of from about pH 10.1 to about pH 10.7, and comprises at least one amino acid sequence selected from the group consisting of SEQ ID NO:3, SEQ ID NO:4, and SEQ ID NO:5; wherein the breast disease is selected from the group consisting of inflammation, infection, and mastitis.

Claims 23-25 (Cancelled)

Claim 26 (Currently Amended): A method for vaccinating against a breast disease in a patient in need thereof, which method comprises administering ~~the~~ a dosage unit form comprising an antigenic portion of the chemokine, wherein the chemokine has about 105 to about 127 amino acids, has a molecular weight of from about 12 to about 14 kD, has an isoionic point of from about pH 10.1 to about pH 10.7, and comprises at least one amino acid sequence selected from the group consisting of SEQ ID NO:3, SEQ ID NO:4, and SEQ ID

NO:5, ~~according to claim 25~~, wherein the antigenic portion of the chemokine is present in an amount effective to vaccinate against a breast disease, and an adjuvant.

Claim 27 (New): The method according to claim 9 wherein the dosage unit form is selected from the group consisting of tablets, capsules, powders, solutions, suspensions, aerosols, and emulsions.

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Claim 28 (New): The method according to claim 26 wherein the dosage unit form is selected from the group consisting of tablets, capsules, powders, solutions, suspensions, aerosols, and emulsions.